

FOR OFFICIAL USE ONLY

22 April 1964

MEMORANDUM FOR: Chief, Production Services Division, NPIC  
FROM : Chief, Photo Lab Branch, PSD/NPIC  
SUBJECT : [REDACTED] Enlarger Model 1304  
Proposed Modifications 18 April 1964

STATINTL

1. The Photo Lab Branch, Production Services Division suggested twelve modifications in order to improve and make this enlarger a production unit. [REDACTED] submitted a proposal 18 April 1964 which covers most of the items listed. However, they did not include or mention items number two and three of the Photo Lab's request. Item number two being present easel has a black focusing base, suggest this be changed to a white base in order to permit more accurate focusing. Item number three called for a more powerful vacuum motor or system to hold down single weight paper.

STATINTL

2. As for the most part they do agree with the modification request. [REDACTED] PDS should decide if any of the above modifications are to be applied under the original contract or if they are in effect under new modifications not required on the original proposal.

STATINTL

STATINTL

[REDACTED]  
Chief, Photo Lab Branch, PSD

Distribution  
Orig & 1 - PSD/NPIC  
1 - PLB/PSD/NPIC

STATINTL NPIC/PSD/PLB; [REDACTED] cp - 22 Apr 64 (2157)

Declass Review by NIMA / DoD

FOR OFFICIAL USE ONLY

GROUP 1  
Excluded from automatic  
downgrading and  
declassification

STATINTL

ENLARGER

SUGGESTED MODIFICATIONS

Listed below are some of the changes that I would suggest to improve this machine and bring out its maximum.

1. The pressure glasses are difficult to clean. The bottom glass is next to impossible to clean and the condensers are impossible to get at and clean.
2. Easel surface should be white. Presently it is black and the projected image cannot be seen without using a model sheet.
3. The vacuum on the easel isn't powerful enough even for single weight in some cases.
4. Film spindles are not sturdy enough. When nine inch rolls are put on machine the spindles bend down. This has caused them to warp.
5. Film spindle locks are needed. Presently the spindles are threaded on the ends to secure the rolls. This is bad, because every time a roll is put on and removed from the machine it drags across the threads. This has ruined the threads. I think a flip-type lock, such as on movie projectors, would solve this problem.
6. Access to film plane. In order to remove the pressure glasses, clean the glasses, inset an overlap or any other transaction at the focal plane the light source has to be raised and propped open by a piece of wood. I should think that a counter-balance or a lock could be installed to correct this problem. While this is propped open it has a good chance of falling down and shattering the glass or doing any other multiple of things to damage the machine.
7. Film drive motors are not strong enough. When film is advancing in either direction, and it nears the center of the roll, it slows down almost to a complete stop and creeps to the end of the roll.

*Enlarger feed  
Not  
documented*